

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

37-087-23
NORTONVILLE QUADRANGLE
75 KENTUCKY
3700-W8715/15
DIAGRAM NJ 16-8
EVANSVILLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Final adjustment of 1972

Only the permanent marks are
listed for lines run more
than 25 years before edition
date

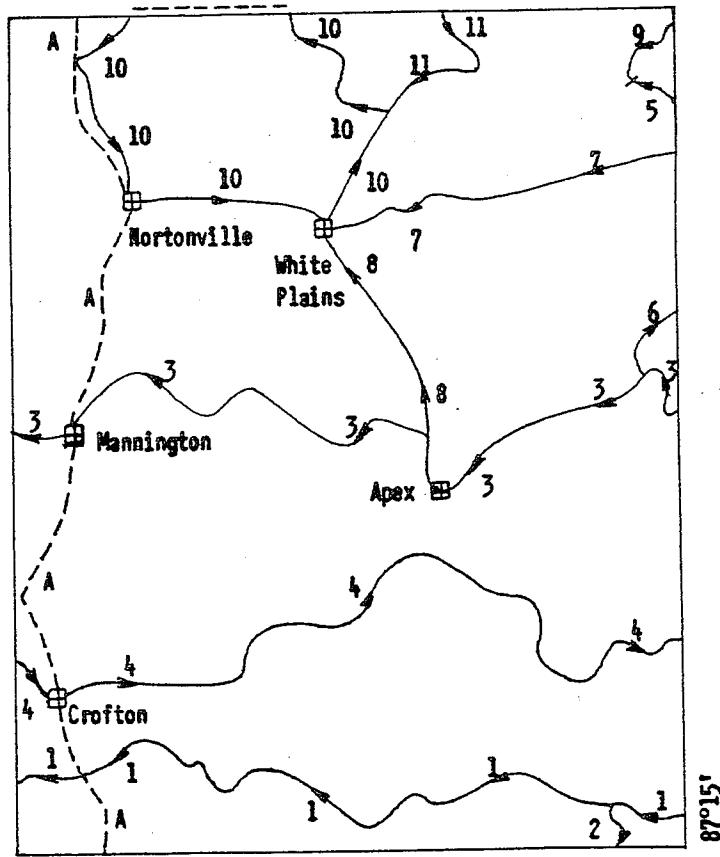
Edition of 8/15/73

PR: CRV/jyk

MADISONVILLE
(104.)

DAWSON SPRINGS
(76)

DRAKESBORO
(74)



CASKY
(47)

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370872

MORTONVILLE QUADRANGLE
75 KENTUCKY

37-087-23
M3700-W8715/15

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MORTONVILLE QUADRANGLE

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ISOLATED BENCH MARKS (Bulletin 554)

Mortenville, 2.4 mi E. of; near N. end of W. abutment of wooden RR. bridge No. J 148-55; on iron post; standard cap stamped "395 KY"	394.948
Bakersport; about 75 ft SW. of water tank on S. side of track; on iron post; standard cap stamped "397 KY" (Not found, 1953)	396.996
Graham Station, 600 ft W. of; about 100 ft E. of switch; on N. side of track; on iron post; standard cap stamped "409 KY" (Not found, 1953)	409.197
Bancroft, 2.6 mi S. of; on E. side of main rd.; at forks of rd.; on iron post; standard cap stamped "451 KY" (Not found, 1953)	451.044
Johnsons, 0.2 mi W. of; on iron post; standard cap stamped "413 KY"	413.681
Wynans, 1.5 mi N. of; at SW. corner of I-rd. W.; inside fence; on iron post; standard cap stamped "406 KY"	406.849
Crofton, 6.0 mi E. of; at junction of I-rd. N.; on S. side of rd.; inside fence; on iron post; standard cap stamped "479 KY"	479.298
Crofton, 3.0 mi E. of; at junction of rd. E.; on S. side of rd.; inside fence; on iron post; standard cap stamped "512 KY"	512.712
Crofton; 156 ft NW. of NW. corner of Louisville and Nashville Railroad station; 102 ft W. of W. rail; 75 ft W. of centerline of graveled street; 2 ft S. of NE. corner of Crofton Hotel; set vertically in E. wall of hotel; standard tablet stamped "PRIM TRAV STA NO 2 1908 608 KENTUCKY" (Tied by NGS, 1935)	607.781
Apex; 400 ft N. of post office; at junction of rd. N.; on N. side of rd.; inside fence; on iron post; standard cap stamped "664"	664.591
Apex, 3.0 mi S. of, along Greenville-Hopkinsville Road; at junction of rd. W.; on iron post; standard cap stamped "519 KY" (Disturbed, 1951)	519.667
Apex, 6.0 mi S. of; 800 ft N. of Judges Chapel; on W. side of rd.; inside fence; on iron post; standard cap stamped "792 KY"	791.930
Fruit Hill, 4.5 mi W. of, along Crofton-Fruit Hill Road; 2 ft S. of front steps of residence of Lem Davis; in front face of brick foundation; standard tablet stamped "557" (Reported disturbed, 1952)	558.852
Bluff Springs; at SW. corner of frontyard of residence of Mr. Robinson; opposite post office; on iron post; standard cap stamped "573 KY"	574.258

MORTONVILLE QUADRANGLE

75 KENTUCKY

ISOLATED BENCH MARKS (Cont'd.)

		<u>Feet</u>
Kirkmansville, 2.5 mi W. of; in top of Todd-Christian County line stone; standard tablet stamped "569 KY" (Reported destroyed, 1953)		570.129
Salem Church; 1.5 mi E. of Mortons Gap; in W. face of SW. corner foundation pier of church; standard tablet stamped "427 1907" (Reported destroyed, 1953)		426.899
Mortonville; on L. & N. RR.; 291 ft N. of centerline of hwy.; 29 ft E. of centerline of street; 25 ft S. of centerline of street; 3 ft NE. of centerline of driveway; set vertically in N. side of Morton Coal Company drug store; standard tablet stamped "PRIM TRAV STA NO 3 1908 408 KENTUCKY" (Tied by MGS, 1935) (Reported disturbed, 1963)		406.879
Mortons Gap, 0.3 mi W. of; 75 ft E. of RR. crossing; on E. side of track; at fenceline; on iron post; standard cap stamped "451" (Not found, 1953)		451.299
Mortonville, 3.0 mi S. of; on S. side of second-class rd. crossing; 100 ft N. of switch stand of switch W. to log yard; at RR. right-of-way line E.; at foot of gatepost; on iron post; standard cap stamped "411" (Not found, 1953)		410.746
Mannington; 300 ft S. of station; 300 ft N. of rd. crossing; at RR. right-of-way line W.; 60 ft N. of McIntires store; at foot of telegraph pole; on iron post; standard cap stamped "424" (Not found, 1953)		423.723
Empire; 200 ft S. of store of Empire Coal and Mining Company; on RR. right-of-way line W.; 75 ft W. of mail crane; at fence corner; on iron post; standard cap stamped "519" (Reported disturbed, 1952)		518.647

LINE 1.

J. W. McLaughlin, 1949; Book AV 96

3 26	21.49	U.E., 20 ft N. of centerline of hwy.; on E. end of concrete headwall of culvert; chiseled square	478.33
3 27	21.82	Kirkmansville, 1.1 mi SW. of, along hwy. to Hopkinsville; 330 ft E. of concrete culvert over stream; 92 ft SW. of centerline of intersection of rds.; 27 ft S. of centerline of hwy.; in stone post; standard tablet stamped "TT 8 6 1956"	485.069
3 28	22.22	U.E., at Christian-Todd County line; 20 ft S. of centerline of hwy.; on E. end of concrete headwall of bridge; chiseled square	472.93
3 29	22.97	Reference mark; 320 ft E. of tablet; 20 ft S. of centerline of hwy.; on E. end of concrete headwall of culvert; chiseled square	509.10
3 29	23.03	Kirkmansville, 2.2 mi W. of, along State Highway 107; about 100 ft S. of L-shaped white house; 27 ft SW. of junction of I-rd. S.; in concrete post; standard tablet stamped "TT 25 TWC 1949 512"	512.286

MORTONVILLE QUADRANGLE

75 KENTUCKY

<u>LINE 1 (Cont'd.)</u>	<u>Feet</u>
3 30 23.35 U.E., 20 ft S. of centerline of hwy.; on E. end of concrete headwall of bridge; chiseled square	478.06
3 30 23.91 U.E., 20 ft S. of centerline of hwy.; on E. end of concrete headwall of culvert; chiseled square	511.15
3 31 24.44 U.E., SW. end of iron bridge; on top of large rock; chiseled square	445.25
3 31 24.80 Reference mark; 860 ft SE. of tablet; at W. end of iron bridge; on top of large boulder; chiseled square	443.15
3 32 24.96 Red Bridge, 0.5 mi W. of, along graveled rd.; 50 ft W. of mailbox of Olaf Wall; 20 ft NE. of centerline of rd.; 4 ft SW. of SE. corner post of pasture; in concrete post; standard tablet stamped "TT 27 TWC 1949 495"	495.557
3 34 26.53 U.E., 15 ft S. of centerline of rd.; on SE. end of concrete pipe culvert; chiseled square	553.23
3 35 26.82 Red Bridge, 2.4 mi W. of, along graveled rd.; 475 ft NW. of NW. corner of barn; 16 ft S. of centerline of rd.; 3 ft NE. of telephone pole; in concrete post; standard tablet stamped "TT 28 TWC 1949 562"	562.525
3 36 27.42 U.E., 15 ft SE. of centerline of rd.; on SE. end of concrete pipe culvert; chiseled square	614.87
3 37 27.90 U.E., at SW. bank of creek at ford; on top of rock ledge; painted square	562.57
3 37 28.32 U.E., 50 ft W. of centerline of junction of Y-rd.; on W. end of concrete pipe culvert; chiseled square	623.60
3 38 28.79 Fruit Hill Post Office; on W. side of residence of David Smith; in face of brick chimney; standard tablet stamped "PRIM TRAV STA NO 6 641 KY"	641.206
3 39 29.38 U.E., 15 ft W. of centerline of junction of I-rd. SW.; on NW. end of concrete pipe culvert; chiseled square	604.74
3 40 29.81 U.E., 15 ft SW. of centerline of rd.; on SE. end of concrete headwall of bridge; chiseled square	489.38
3 41 30.44 U.E., 150 ft W. and 20 ft S. of centerline of crossroad; on W. end of concrete headwall of block culvert; painted square	466.20
3 41 31.11 Fruit Hill, 2.3 mi NW. of, along graveled rd.; 24 ft NE. of centerline of graveled rd.; 18 ft NW. of centerline of abandoned rd. E.; in concrete post; standard tablet stamped "TT 29 TWC 1949 473" (Reported destroyed, 1952)	473.130
3 42 31.34 U.E., W. end of iron bridge; on top of large rock; chiseled square	452.16

NORTONVILLE QUADRANGLE

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LINE 1 (Cont'd.)Feet

3 42	31.75	U.E., 10 ft W. of centerline of rd.; on W. end of concrete pipe culvert; chiseled square	459.79
3 43	32.09	U.E., 10 ft W. of centerline of rd.; on W. end of concrete pipe culvert; chiseled square	459.88
3 44	32.78	U.E., centerline of junction of T-rd. E.	627.50
3 44	33.10	Hickory Width Macedonia Baptist Church, 0.4 mi NW. of, along graveled rd.; 104 ft W. of mailbox of Claude Lyon; 15 ft NE. of centerline of graveled rd.; 12 ft NW. of 32-in. black oak tree; in concrete post; standard tablet stamped "TT 30 TWC 1949 560"	559.858
3 44	33.12	Reference mark; 100 ft W. of tablet; 12 ft NE. of centerline of rd.; on SE. end of concrete culvert; chiseled square	552.75
3 46	33.58	U.E., at S. end of iron bridge; on cut rock bridge seat; chiseled square	463.65
3 47	34.16	U.E., 12 ft S. of centerline of rd.; on E. end of concrete headwall of culvert; chiseled square	514.88
3 47	34.73	U.E., 15 ft SW. of centerline of rd.; on SE. end of concrete headwall of culvert; chiseled square	551.32
3 47	35.09	Hickory Width Macedonia Baptist Church, 2.4 mi NW. of, along graveled rd.; 35 ft S. of junction of T-rd. SW.; 22 ft NW. of telephone pole; 1 ft W. of wire fence; in concrete post; standard tablet stamped "TT 31 TWC 1949 576" (Reported destroyed, 1952)	576.549
3 47	35.10	Reference mark; 50 ft NW. of tablet; on S. end of L-shaped concrete headwall of culvert; chiseled square	574.92
3 48	35.86	U.E., 25 ft NE. of centerline of lane E.; on NE. end of concrete pipe culvert; chiseled square	556.33
3 48	36.08	U.E., 12 ft SE. of centerline of rd.; on NE. end of concrete headwall of small bridge; chiseled square	576.73
3 49	37.37	"L 69 1935" (WGS)	609.549
5 1	0.77	Hickory Width Macedonia Baptist Church, 2.4 mi NW. of, along graveled rd., thence 2.0 mi W.; about 120 ft NE. of abandoned school building; 24 ft SW. of junction of T-rd. E.; in concrete abutment of culvert; standard tablet stamped "TT 32 TWC 1949"	630.865
5 1	0.78	Reference mark; 40 ft W. of tablet; 30 ft NE. of centerline of junction of T-rd. E.; on W. end of concrete headwall of culvert; chiseled square	630.83
5 2	1.66	U.E., on SE. bridge seat of iron and wooden bridge; chiseled square	596.18

MORTONVILLE QUADRANGLE
Book AV 96

75 KENTUCKY

J. W. McLaughlin

1949

FeetLINE 2.

J. W. McLaughlin, 1949; Book AV 96

4	41	0.00	"TT 25 TMC 1949 512" (Described in line 1)	512.266
4	41	1.05	U.E., 35 ft SW. of centerline of junction of rd. NE.; on top of large boulder; chiseled square	523.45

LINE 3.

J. J. Spahr, 1950; Book AV 216

1	40	20.40	Weir, 3.0 mi W. of; 0.6 mi S. of Cave Spring Church; 43 ft S. and 14 ft E. of Y-rd. E.; 13 ft E. of 30-in. oak tree; in concrete post; standard tablet stamped "TT 67 HF 1950 569"	569.230
1	42	20.96	U.E., 1 ft S. of corner of Cave Spring Church; on large boulder; chiseled square	486.86
1	44	22.07	Greenville, 1.7 mi W. of, along U. S. Highway 62, thence 5.4 mi S. along State Highway 189; 43 ft S. and 4 ft E. of I-rd. SE.; 28 ft E. of centerline of Highway 189; in concrete post; standard tablet stamped "TT 65 HF 1950 451"	450.606
1	49	24.27	Greenville, 1.7 mi S. of, along U.S. Highway 62, thence 7.6 mi S. along State Highway 189; 1.1 mi NE. of Pond River Bridge; 27 ft NW. and 6 ft E. of I-field rd. N.; 23 ft NW. of centerline of Highway 189; 14 ft E. of fence gate; in concrete post; standard tablet stamped "TT 64 HF 1950 495"	495.259
1	51	25.47	Apex, 2.0 mi NE. of, along State Highway 189; in top of S. end of E. abutment retaining wall of bridge over Pond River; standard gaging station reference mark tablet stamped "RM 2"	413.639
1	51	25.47	Apex, 2.0 mi NE. of, along State Highway 189; in top of S. end of E. main span pier of bridge over Pond River; standard gaging station reference mark tablet stamped "RM 1"	409.376
1	54	27.32	Apex; 165 ft NW. of junction of Y-rd. NW. and State Highway 189; 94 ft W. of centerline of Highway 189; 26 ft E. of centerline of dirt rd. NW.; in concrete post; standard tablet stamped "TT 71 HF 1950 675"	674.557
1	56	29.12	Apex, 1.8 mi W. of; 800 ft E. of No. 5 School; 31 ft E. of I-rd. W.; 21 ft SSW. of catalpa tree; in concrete post; standard tablet stamped "TT 63 HF 1950 479"	479.259
1	56	29.12	Reference mark; 54 ft SW. of tablet; 20 ft NW. of W. end of steel pipe culvert; on rock ledge; chiseled square	475.17
1	57	29.78	U.E., 10 ft W. of, and 1 ft higher than centerline of junction of Y-drive to barn W.; on rock ledge; chiseled square	472.35

MORTONVILLE QUADRANGLE

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<u>LINE 3 (Cont'd.)</u>				<u>Feet</u>
1	61	31.05	U.E., on SW. corner of steel bridge over West Fork of Pond River; on stone wingwall; chiseled square	409.44
1	62	31.36	White Plains, 5.0 mi S. of; about 0.8 mi N. of Wynn's; 23 ft S. and 9 ft W. of T-rd. W.; 2 ft N. of metal tagged witness post; on iron post; standard cap stamped "407 KY TT MF 1950" (Not found, 1953)	408.005
1	65	32.45	U.E., at NW. corner of wooden bridge over McFarland Creek; on stone wingwall; chiseled square	413.53
1	67	33.93	White Plains, 3.8 mi S. of; 300 ft S. of Staaleys Store; 100 ft E. of brick siding house; 19 ft S. and 10 ft E. of T-rd. W.; 16 ft E. of centerline of rd.; at SW. corner of barnyard; in concrete post; standard tablet stamped "TT 62 MF 1950 464"	463.557
1	73	36.41	Mortonville, 4.0 mi SE. of; 82 ft SE. of E. corner of barn; 32 ft S. of W. end of culvert; 27 ft S. and 7 ft W. of old T-rd. SW.; 21 ft SW. of centerline of rd.; in concrete post; standard tablet stamped "TT 61 MF 1950 574"	573.394
1	78	39.04	Mortonville; 4.6 mi S. of intersection of U. S. Highways 41 and 62, along Highway 41; about 0.8 mi NE. of Mannington; 76 ft E. of centerline of Highway 41; 1 ft S. and 76 ft E. of Y-rd. NE.; in concrete post; standard tablet stamped "TT 60 MF 1950 RESET 1955" (Reported destroyed, 1963)	417.433
1	79	39.21	"E 69 1935" (NGS) (Not found, 1963)	429.970
1	80	39.79	"F 69 1935" (NGS) (Not found, 1963)	455.229

LINE 4.

J. J. Spahr, 1950; Book AV 216

3	11	19.34	U.E., 30 ft N. of junction of Y-rd. at E.-W. rd.; on L-shaped concrete headwall of culvert; chiseled square	609.93
3	12	19.61	"J 69 1935" (NGS)	605.222
3	20	23.22	Crofton; 3.3 mi E. of Louisville and Nashville RR. crossing; 0.2 mi N. of junction of Y-rd. NE.; 75 ft N. of rd. NE.; 30 ft S. of 3-ft tree; 22 ft NW. of, and 2 ft higher than centerline of rd. NE.; in concrete post; standard tablet stamped "66 JJS 1950 473"	472.898
3	24	25.60	Crofton; 5.7 mi ENE. of L. & N. RR. crossing; 4.9 mi SW. of Apex; 63 ft NW. of, and 6 ft higher than intersection of N-S. crossroad; 18 ft N. of centerline of main rd.; in concrete post; standard tablet stamped "67 JJS 1950 531"	530.644

NORTONVILLE QUADRANGLE

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LINE 4 (Cont'd.)

			<u>Feet</u>	
3	28	27.43	Reference mark; 60 ft E. of tablet; at base of 2-ft oak tree; on large rock; chiseled square	521.86
3	28	27.43	Apex, 1.5 mi SSW. of, along State Highway 189, thence 1.6 mi SW. along Crofton Road; 10 ft SSW. of NE. corner of Pleasant View Schoolhouse building; in concrete post; standard tablet stamped "68 JJS 1950 528" (Not found, 1972)	527.527
3	30	28.41	U.E., 20 ft NW. of junction of I-rd. at drive to house E.; on rock ledge; chiseled square	490.66
3	32	29.05	Apex, 1.5 mi SSW. of, along State Highway 189; 33 ft W. of centerline of intersection of crossroad; 30 ft SW. of, and level with centerline of hwy.; 6 ft SE. of 2-ft oak tree; in concrete post; standard tablet stamped "69 JJS 1950 743" (Not found, 1972)	742.987
3	35	29.97	U.E., intersection of rds. NE. and S.; on large rock; chiseled square	473.59
3	41	30.93	Apex, 1.5 mi S. of, along State Highway 189, thence 1.4 mi SE. to I-rd. SE., thence 0.6 mi SE. of bridge over Coal Creek; 28 ft N. of, and 1 ft higher than centerline of intersection of NW.-SE. crossroad; 27 ft SE. of 2-ft oak tree; in concrete post; standard tablet stamped "70 JJS 1950 664"	663.712
3	44	32.85	Apex, 1.5 mi SW. of, along State Highway 189, thence 3.8 mi ESE.; 5.4 mi N. of Bluff Spring; 45 ft NE. of, and 3 ft higher than centerline of junction of rd. at NE.-SW.; 18 ft E. of centerline of N.-S. rd.; in concrete post; standard tablet stamped "71 JJS 1950 642" (Not found, 1975)	641.819
3	47	34.69	Kirkmansville; 3.5 mi W. of intersection of State Highways 181 and 107, thence 2.4 mi W. to junction of old rd. W.; 40 ft SE. of, and 5 ft higher than centerline of junction of V-rd.; 30 ft E. of centerline of main rd.; in concrete post; standard tablet stamped "72 JJS 1950 666" (Not found, 1975)	665.954
3	53	38.59	Kirkmansville, 2.3 mi N. of, along State Highway 171, thence 1.4 mi NW.; 120 ft E. of, and 8 ft higher than junction of I-rd. W.; 21 ft S. of centerline of rd. E.; in NE. corner of farmyard of Mr. Slaughter; 3 ft S. of corner fencepost; in concrete post; standard tablet stamped "73 JJS 1950 457"	456.828

LINE 5.

J. J. Spahr, 1950; Book AV 216

4	41	5.54	U.E., on E. end of S. concrete headwall of culvert; chiseled square	414.27
4	42	6.08	Graham; 1.5 mi S. of post office; 850 ft W. of junction of U. S. Highway 62 and State Highway 175; 19 ft N. and 30 ft W. of I-rd. W.; 25 ft W. of centerline of hwy.; in sandstone post; standard tablet stamped "PRIM TRAV STA NO 10 1908 424"	423.279

NORTONVILLE QUADRANGLE
Book AV 216

75 KENTUCKY

J. J. Spahr

1950

feetLINE 6.

J. J. Spahr, 1950; Book AV 216

4	43	0.00	"TT 65 HF 1950 451" (Described in line 3)	450.606
4	43	0.43	U.E., on NE. wingwall of bridge over Jarrels Creek; chiseled square	413.82
4	45	1.71	Reference mark; 94 ft W. of tablet; on SE. concrete headwall of culvert; chiseled square	479.39
4	45	1.71	Bancroft; 5.0 mi SW. of Greenville, along State Highway 189; 105 ft E. of centerline of hwy.; 75 ft W. of Jessups Store; on iron post; standard cap stamped "485 KY"	485.069

LINE 7.

J. J. Spahr, 1950; Book AV 216

4	56	2.95	Reference mark; 50 ft NW. of tablet; on SE. corner of E. step of church entrance; chiseled square	455.27
4	56	2.95	Depoy, 2.9 mi WSW. of, along old White Plains-Depoy Road; 132 ft NE. of N-S. crossroad; 52 ft SE. of corner of Vernal Grove Church; 24 ft N. of, and 3 ft higher than centerline of E.-W. rd.; 3 ft E. of electric pole; in concrete post; standard tablet stamped "87 JJS 1950 454"	453.594
4	59	4.43	Depoy, 4.4 mi WSW. of; 5.3 mi E. of White Plains; 600 ft E. of Pond River crossing; 74 ft WNW. of, and 9 ft lower than junction of Y-rd. NW.; 25 ft N. of centerline of rd. to river; in concrete post; standard tablet stamped "88 JJS 1950 401"	400.438
4	63	6.60	White Plains, 3.2 mi ENE. of; 2.0 mi W. of Pond River crossing; 35 ft SW. of, and 5 ft higher than junction of Y-rd. NE., along projected centerline of NE.-SW. rd.; in concrete post; standard tablet stamped "89 JJS 1950 469"	468.331
4	66	8.56	U.E., on S. end of SW. concrete wingwall of culvert; chiseled square	396.44
4	68	9.77	U.E., 100 ft NE. of I. C. RR. crossing; on NE. corner of sidewalk in front of Cody Corner Cafe; chiseled square	411.30
4	69	10.14	U.E., 30 ft SW. of intersection of U. S. Highway 62; on E. end of S. concrete headwall of culvert; chiseled square	420.04

LINE 8.

J. J. Spahr, 1950; Book AV 216

4	70	0.00	"TT 63 HF 1950 479" (Described in line 3)	479.259
4	72	1.72	Apex, 3.5 mi N. of; 3.1 mi SSE. of I. C. RR. crossing at White Plains; 21 ft N. of, and 3 ft higher than junction of field rd. N. at turn in rd. W.; in concrete post; standard tablet stamped "90 JJS 1950 413"	412.551

MORTONVILLE QUADRANGLE

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LINE 8 (Cont'd.)

			<u>Feet</u>
4	74	2.53	U.E., on W. corner of S. concrete abutment of steel bridge over West Fork of Pond River; chiseled square
			492.82
4	76	3.44	Reference mark; 100 ft E. of tablet; on center of front step to church; chiseled square
			451.45
4	76	3.44	White Plains; 1.4 mi SSE. of I. C. RR. crossing; along rd. to Apex; at Mount Carmel Church; 112 ft NW. of I-rd. SW.; 60 ft SE. of I-rd. E.; 18 ft NE. of centerline of Apex-White Plains rd.; 5 ft S. of telephone pole; in concrete post; standard tablet stamped "91 JJS 1950 453"
			453.033
4	78	4.86	U.E., chiseled square (Described in line 7)
			411.30

LINE 9.

J. J. Spahr, 1950; Book AW 216

7	14	14.33	U.E., chiseled square (Described in line 5)	414.27
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LINE 10.

J. J. Spahr, 1950; Book AW 216

8	5	0.00	U.E., chiseled square (Described in line 7)	420.04
8	6	0.95	U.E., on N. end of E. concrete headwall of culvert over N.-S. ditch; chiseled square	417.22
8	8	2.03	Reference mark; 42 ft S. of tablet; on S. corner of W. concrete headwall of culvert; chiseled square	398.84
8	8	2.03	White Plains, 2.0 mi NE. of, along U. S. Highway 62; 3.5 mi SW. of Unity Church; 90 ft SW. of, and 1 ft higher than centerline of I-rd. W.; 42 ft W. of centerline of hwy.; 6 ft E. of 1-ft walnut tree; in concrete post; standard tablet stamped "130 JJS 1950 401"	400.832
8	12	4.09	White Plains, 2.4 mi N. of; 1.1 mi S. of Long Pond at W. turn in rd.; 78 ft W. of, and level with junction of I-rd. N.; 18 ft N. of centerline of E.-W. rd.; 12 ft W. of 2-ft twin prong oak tree; in concrete post; standard tablet stamped "131 JJS 1950 455"	454.454
8	14	5.20	White Plains, 4.5 mi N. of; at W. turn in rd. at Long Pond; 115 ft E. of centerline of rd.; 45 ft SW. of, and 3 ft higher than bank of pond; 14 ft SE. of 4-ft oak tree; 12 ft SW. of 3-ft oak tree; in concrete post; standard tablet stamped "132 JJS 1950 383"	382.557

NORTONVILLE QUADRANGLE

75 KENTUCKY

LINE 10 (Cont'd.)Feet

8	17	6.58	Reference mark; 42 ft E. of tablet; on rock ledge; chiseled square	410.16
8	17	6.58	White City, 3.0 mi SE. of; 1.4 mi W. of Long Pond; 0.3 mi W. of Drake Creek crossing; 40 ft NE. of, and 7 ft higher than centerline of junction of N.-S. I-rd.; 22 ft E. of centerline of N.-S. rd.; 10 ft NE. of corner fencepost; in concrete post; standard tablet stamped "133 JJS 1950 411"	410.492

Jogs into Madisonville quadrangle

8	34	16.00	"MORTONS GAP 1935" (NGS)	444.038
7	17	20.48	U.E., on W. end of S. concrete headwall; chiseled square	405.00
7	18	20.81	U.E., on E. end of S. concrete base of guardrail; chiseled square	399.96
7	19	21.23	Reference mark; 150 ft NW. of tablet; on SE. corner of concrete hwy. drainage ditch; chiseled square	398.33
7	19	21.23	Nortonville, 2.0 mi E. of, along U. S. Highway 62; 2.1 mi W. of White Plains; 70 ft S. of, and 1 ft lower than centerline of intersection of N.-S. crossroad; 15 ft E. of centerline of graveled rd. to RR.; 4 ft E. of two 2-ft cedar tree; in concrete post; standard tablet stamped "124 JJS 1950 398"	397.964
7	21	22.76	White Plains; 0.6 mi W. of junction of I-rd. and U. S. Highway 62, along Highway 62; 3.5 mi E. of Nortonville; 160 ft W. of centerline of N.-S. crossroad; 34 ft N. of, and 4 ft higher than centerline of hwy.; in concrete post; standard tablet stamped "125 JJS 1950 463" (Not found, 1963)	462.550
7	21	22.76	Reference mark; 200 ft SE. of tablet; on NW. corner of concrete base of gasoline pump; chiseled square	462.48
7	22	23.35	U.E., chiseled square (Described in line 7) (Also in line 10)	420.04

LINE 11.

J. J. Spahr, 1950; Book AV 216

9	6	16.85	White Plains, 5.0 mi NE. of, along U. S. Highway 62; 3.8 mi W. of Graham Station, along U. S. Highway 62; 30 ft SE. of, and 4 ft lower than junction of I-rd. N. to Earles; 28 ft S. of centerline of hwy.; 18 ft N. of centerline of rd. SW.; in concrete post; standard tablet stamped "146 JJS 1950 499"	498.551
9	9	18.38	White Plains, 3.0 mi NE. of, along U. S. Highway 62; on N. concrete wingwall of steel bridge over Pond River; standard tablet stamped "USGS GAGING STATION"	596.320
9	11	19.66	"130 JJS 1950 401" (Described in line 10)	400.832

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-087-23
NORTONVILLE QUADRANGLE
75 KENTUCKY
N3700-W8715/15
DIAGRAM NJ 16-8
EVANSVILLE

Christian, Hopkins, Muhlenberg, and
Todd Counties

Edition of 6/21/77

PR: CRV/rmm

Plane coordinates are based on Lambert
projection, Kentucky, South Zone

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch

MADISONVILLE
(104)

Graham



Nortonville

DAWSON SPRINGS
(76)

DRAKESBORO
(74)

87°15'

37°00'

CASKEY
(47)

DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>
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STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

The following positions are considered OBsolete. To be used only to locate permanent marks in the field.

By F. J. McMaugh, 1908; Book A835

Nortonville; on Louisville and Nashville Railroad; 291 ft N. of centerline of hwy.; 29 ft E. of centerline of street; 25 ft S. of centerline of street; 3 ft NE. of centerline of driveway; set vertically in N. side of Norton Coal Company drug store; standard tablet stamped "PRIM TRAV STA NO 3 1908 KY" (Reported disturbed, 1950)

X = 1,503,716	Y = 316,817	37 11 28.47	87 27 13.79
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By G. B. Grunwell, 1936; Book D1854

Crofton; 156 ft NW. of NW. corner of L. & N. RR. station; 102 ft W. of W. rail; 75 ft W. of centerline of graveled street; 2 ft S. of NE. corner of Crofton Hotel; set vertically in E. wall of hotel; standard tablet stamped "PRIM TRAV STA NO 2 1908 KY 608".

X = 1,493,286	Y = 264,723	37 02 51.55	87 29 10.84
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Kirkmansville, 1.1 mi SW. of, along hwy. to Hopkinsville; 330 ft E. of concrete culvert over stream; 92 ft SW. of junction of rd. SW. to Ovill; 27 ft S. of centerline of hwy.; in stone post projecting 4 in.; standard tablet stamped "TT 8 G 1936"

X = 1,559,010	Y = 249,330	37 00 30.52	87 15 37.17
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By T. W. Cayce, 1949; Book AH 130

Kirkmansville, 2.2 mi W. of, along State Highway 107; 100 ft S. of L-shaped white house; 27 ft SW. of junction of T-rd. S.; in concrete post; standard tablet stamped "TT 25 TWC 1949 512"

X = 1,552,964	Y = 251,394	37 00 49.97	87 16 52.12
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Red Bridge, 0.5 mi W. of Jamesons Store, along graveled rd.; 50 ft W. of Olaf Wells' mailbox; 20 ft NE. of centerline of rd.; 4 ft SW. of SE. corner post of pasture; in concrete post; standard tablet stamped "TT 27 TWC 1949 495"

X = 1,544,087	Y = 254,895	37 01 23.14	87 18 42.27
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Red Bridge, 2.4 mi W. of, along graveled rd.; 475 ft NW. of NW. corner of barn; 16 ft S. of centerline of rd.; 3 ft NE. of telephone pole; in concrete post; standard tablet stamped "TT 28 TWC 1949 562"

X = 1,535,039	Y = 251,912	37 00 52.16	87 20 33.20
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STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Fruit Hill Post Office; on N. face of chimney on N. side of residence of David Smith; standard tablet stamped "PRIM TRAV STA NO 6 1908 KY 641"

X = 1,527,593 Y = 248,184 37 00 14.05 87 22 04.22

Fruit Hill, 2.3 mi NW. of, along graveled rd.; 24 ft NE. of centerline of rd.; 18 ft NW. of centerline of abandoned rd. E.; in concrete post; standard tablet stamped "TT 29 TWC 1949 473" (Reported destroyed, 1952)

X = 1,518,435 Y = 256,081 37 01 30.56 87 23 58.80

Hickory Width, 0.4 mi NW. of Macedonia Baptist Church, along graveled rd.; 104 ft N. of Claude Lyon mailbox; 15 ft NE. of centerline of rd.; 12 ft NW. of 32-in. black oak tree; in concrete post; standard tablet stamped "TT 30 TWC 1949 560"

X = 1,511,138 Y = 254,475 37 01 13.41 87 25 28.42

Hickory Width, 2.4 mi NW. of Macedonia Baptist Church, along graveled rd.; 35 ft S. of junction of I-rd. SW.; 22 ft NW. of telephone pole; 1 ft N. of wire fence; in concrete post; standard tablet stamped "TT 31 TWC 1949 576" (Reported destroyed, 1952)

X = 1,503,394 Y = 259,903 37 02 05.71 87 27 05.09

Hickory Width, 2.4 mi NW. of Macedonia Baptist Church, along graveled rd., thence 2.0 mi W.; 120 ft NE. of abandoned schoolhouse; 24 ft SW. of junction of I-rd. E.; in concrete abutment of culvert; standard tablet stamped "TT 32 TWC 1949"

X = 1,494,391 Y = 254,733 37 01 12.98 87 28 54.96

By H. P. Finch, 1950; Book AH 192

Nortonville, 4.6 mi S. of junction of U. S. Highways 62 and 41, along Highway 41; 0.8 mi NE. of Mannington; 1 ft S. and 76 ft E. of junction of Y-rd. NE.; 76 ft E. of centerline of hwy.; in concrete post; standard tablet stamped "TT 60 HF 1950 RESET 1955" (Reported destroyed, 1963)

X = 1,497,369 Y = 295,526 37 07 56.80 87 28 27.41

Nortonville, 4.0 mi SE. of; 82 ft SE. of E. corner of barn; 27 ft S. and 7 ft W. of old I-rd. SW.; 32 ft S. of W. end of culvert; 21 ft SW. of centerline of rd.; in concrete post; standard tablet stamped "TT 61 HF 1950 574"

X = 1,507,890 Y = 297,201 37 08 15.25 87 26 17.88

75 KENTUCKY
NORTONVILLE QUADRANGLE

37-087-23

5

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° , "	° , "

OBSOLETE MARKS (Cont'd.)

White Plains, 3.8 mi S. of; 300 ft S. of Stanley's Store; 100 ft E. of brick siding house; 19 ft S. and 10 ft E. of junction of T-rd. W.; 16 ft E. of centerline of rd.; at SW. corner of barnyard; in concrete post; standard tablet stamped "TT 62 HF 1950 464"

X = 1,518,848 Y = 297,237 37 08 17.52 87 24 02.57

White Plains, 5.0 mi S. of; 0.8 mi N. of Wynns Community; 23 ft S. and 9 ft W. of junction of T-rd. W.; on iron post; standard cap stamped "407 KY TT HF 1950" (Not found, 1953)

X = 1,526,914 Y = 291,710 37 07 24.26 87 22 21.79

Apex, 1.8 mi N. of; 800 ft E. of School No. 5; 31 ft E. of T-rd. W.; 21 ft SSW. of catalpa tree; in concrete post; standard tablet stamped "TT 63 HF 1950 479"

X = 1,536,150 Y = 291,856 37 07 27.25 87 20 27.80

Greenville, 1.7 mi W. of county courthouse, along U. S. Highway 62, thence 7.6 mi S. along State Highway 189; 1.1 mi NE. of Pond River Bridge; 27 ft N. and 6 ft E. of T-field rd. N.; 23 ft NW. of centerline of hwy.; 14 ft E. of fence gate; in concrete post; standard tablet stamped "TT 64 HF 1950 495"

X = 1,548,071 Y = 292,816 37 07 38.70 87 18 00.82

Greenville, 1.7 mi W. of county courthouse, along U. S. Highway 62, thence 5.4 mi SW. along State Highway 189; 43 ft S. and 4 ft E. of junction of T-rd. SE.; 28 ft E. of centerline of hwy.; in concrete post; standard tablet stamped "TT 65 HF 1950 451"

X = 1,558,720 Y = 297,169 37 08 23.45 87 15 50.21

Weir, 3.0 mi W. of; 0.6 mi S. of Dave Spring Church; 43 ft S. and 14 ft E. of junction of Y-rd. E.; 13 ft E. of 30-in. oak tree; in concrete post; standard tablet stamped "TT 67 HF 1950 569"

X = 1,561,072 Y = 291,913 37 07 31.86 87 15 20.13

By H. P. Finch, 1950; Book AH 202

Bancroft; at village of; 5.0 mi SW. of Greenville, along State Highway 189; 105 ft E. of centerline of hwy.; 75 ft W. of Jessup's Store; on iron post; standard cap stamped "485 KY TT"

X = 1,562,846 Y = 305,259 37 09 44.08 87 15 00.83

Graham, 1.5 mi S. of post office; 850 ft W. of junction of U. S. Highway 62 and State Highway 175; 19 ft N. and 30 ft W. of junction of T-rd. N.; 25 ft N. of centerline of hwy.; in sandstone post; standard tablet stamped "PRIM TRAV STA NO 10 1908 KY 424"

X = 1,555,898 Y = 329,344 37 13 41.10 87 16 31.46

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Mannington, 1.8 mi NW. of; 2.7 mi S. of Daniel Boone; 18 ft N. and 34 ft E. of crossroad; 43 ft S. of large maple tree; 24 ft SE. of centerline of NE.-SW. rd.; in concrete post; standard tablet stamped "TT 120 HF 1950"

X = 1,491,270 Y = 299,294 37 08 32.95 87 29 43.58

Mortons Gap, 1.9 mi S. of, along U. S. Highway 41, thence 0.6 mi W. along graveled rd.; 46 ft S. and 15 ft E. of intersection of tangents at sharp turn in rd.; 18 ft W. of 12-in. oak tree; on high bank; in concrete post; standard tablet stamped "TT 123 HF 1950"

X = 1,495,788 Y = 326,750 37 13 05.21 87 28 53.99

Mortons Gap; 45 ft W. of NW. corner of RR. station; 29 ft E. of centerline of street parallel to RR. track; 10 ft W. of W. rail of main track; 5 ft S. of telephone pole; in concrete post; standard tablet stamped "TT 124 HF 1950"

X = 1,498,025 Y = 333,750 37 14 14.82 87 28 27.93

MARKS TIED BY NGS

By H. P. Finch, 1950; Book AM 192

Mannington, 0.8 mi SE. of; 5.5 mi S. of Nortonville along U. S. Highway 41; 3.4 mi N. of Crofton; 350 ft NE. of RR. overpass; 150 ft E. of hwy.; on 100-ft bank; in 2- by 5-ft boulder; standard tablet stamped "TT 66 HF 1950"

X = 1,496,159.34 Y = 290,742.43 37 07 09.301 87 28 41.263

Apex; 165 ft NNW. of junction of Y-rd. NW.; 94 ft W. of centerline of State Highway 189; 26 ft E. of centerline of rd. NW.; in concrete post; standard tablet stamped "TT 71 HF 1950 675"

X = 1,536,181.93 Y = 283,634.97 37 06 05.984 87 20 25.697